## AMENDMENTS TO THE CLAIMS

1. (**Currently Amended**) A hybridization method comprising contacting a solution comprising a sample biopolymer with only a glass slide, wherein a probe biopolymer is immobilized to the glass slide,

placing the glass slide into a vessel comprising a solution, wherein a difference in a vapor pressure between the vessel solution and the solution comprising the sample biopolymer is the difference in the vapor pressure produced as a difference in molar concentration ranging from -10% to +8% between solutes in the vessel solution and the solution comprising the sample biopolymer ~~having the same vapor pressure as the solution comprising the sample biopolymer~~, and wherein the vessel solution is not in contact with the solution comprising the sample biopolymer;

closing the vessel,

hybridizing the sample biopolymer and the probe biopolymer.

2. (**Previously Presented**) The hybridization method according to claim 1, wherein the glass slide comprises a hydrophilic region having a surface to which a plurality of probe biopolymers are immobilized and a hydrophobic region, to which no probe biopolymer is immobilized, which is formed around the hydrophilic region.

3. (**Previously Presented**) The hybridization method according to claim 2, wherein the glass slide is a microarray formed by arranging a plurality of hydrophilic regions to which a

plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

4. (Withdrawn) A hybridization microarray to be applied to the hybridization according to claim 1, formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions.

5. (Withdrawn) A hybridization kit to be applied to the hybridization according to claim 1, comprising: a microarray formed by arranging a plurality of hydrophilic regions to which a plurality of probe biopolymers are immobilized with a hydrophobic region to which no probe biopolymer is immobilized formed around the arranged plurality of hydrophilic regions; and a closed vessel having an internal space capable of storing said microarray.

6. **(Previously Presented)** The hybridization method of claim 1, wherein a volume of solution in the closed vessel is at least five times the quantity of the solution comprising the sample biopolymer.

7. **(Previously Presented)** The hybridization method of claim 1, wherein the sample biopolymer is selected from the group consisting of DNA, RNA, peptide and protein.

8. **(Previously Presented)** The hybridization method of claim 1, wherein the probe biopolymer is selected from the group consisting of DNA, RNA, peptide and protein.